Siepser		
[54]	COMPRESSION, DEFORMATION, DEHYDRATION METHOD OF FABRICATION AND IMPLANTATION OF AN EXPANSILE, HYDROGEL INTRAOCULAR LENS	
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[57]

ABSTRACT

In the preparation of an expansile, polymeric, hydrogel intraocular lens for small-incision surgery to replace a damaged natural lens, the step of subjecting the polymeric lens material capable of reversible deformation to a compressive force during the drying to cause the disk to deform so that at least one dimension of the lens material decreased, permitting the lens to be inserted in its deformed configuration into the smaller possible wound. An expansile hydrogel intraocular lens material simultaneously reduced in size through dehydration and deformed from its original configuration by compressive forces so that at least one of the dimensions is decreased, said material in its deformed and dehydrated state being stable at room temperature and capable of being stored, shipped, and implanted without refrigeration.

5 Claims, No Drawings